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so-called motor-cells and the inferior (anterior) roots, can be demonstrated in the frog more readily than in any other animal.

We shall look with much interest for future contributions by the author to our knowledge of the histology of the nervous system of the lower vertebrates, as it is a field greatly neglected in this country, Dr. Dean's monograph on the general subject not having been succeeded by similar works until the present time; these studies, moreover, have a great interest in connection with the views of Lewes and Bastian.

RECENT BOOKS AND PAMPHLETS.—The Geology of Hudson county, New Jersey. By Israel C. Russell. (From the Annals of the New York Academy of Sciences, Vol. II, No. 2.) From the author.

The Antiquity of Man and the Origin of Species. By J. W. Dawson. (From the Princeton Review.) From the author.

List of papers communicated to the American Philosophical Society. By Pliny Earle Chase, LL.D. From the author.

The Mica veins of North Carolina. By W. C. Kerr, State geologist North Carolina. (From Transactions of the American Institute Mining Engineers, 1880.)

Topography as affected by the rotation of the Earth. By W. C. Kerr, State geologist North Carolina. (From Proc. Amer. Philos. Soc., 1873.)

Notes on the Vertebrata of the Pre-glacial Forest Bed Series of the East of England. By E. T. Newton, F.G.S. (Ext. from the Geological Magazine, Decade II, Vol. VII, No. 9, p. 424. London, 1880.)

Revision of the Land Snails of Palæozoic Era, with descriptions of new species. By J. W. Dawson. (From the American Journal of Science, Vol. XX, November, 1880.)

Bulletin of U. S. Geol. and Geog. Surv. Terrs. F. V. Hayden, Vol. V, Nos. 3, and 4.

Classification of the Cryptogams. By Alfred W. Bennet. Reformed System of Terminology in Thalophyta. By Alfred W. Bennett and George Murray. (From the Quarterly Journal of Microscopical Science, 1880.) From the authors.

Nouvelles Recherches sur les Poissons Fossiles, découverts par M. Alby A. Licata en Sicile. Par M. H. E. Sauvage. From the author.

Sur un Reptile très perfectionné, trouvé dans le terrien permien. Par M. A. Gaudry. (From Comptes Rendus de l'Académie des Sciences, Oct., 1880.) From the author.

De la Nécessité D'Une Zoographie Apropos de la Phytographie de M. A. de Candolle. Par Dr. E. L. Trouessart. (Extrait du Journal le Naturaliste, No. 31, 1<sup>er</sup> Juillet, 1880.) From the author.

The Gold Gravels of North Carolina; their structure and origin. By W. C. Kerr, State geologist N. C. (From Transactions of the American Institute of Mining Engineers.) From the author.

Report of the Committee Mutual Improvement Society of Queenwood College, 1880.

Ueber Geusers und nebenan entstehende verkieselte Bäume. Von Dr. Otto Kunke. (From Ausland, 1880.) From the author.

Sur le Terrain silurien supérieur de la presqu'île de Crozon. Par le Dr. Charles Barrois. (Ext. Ann. Soc. Geol. du Nord, 1880.) 8vo, pp. 12, 1880. From the author.

On the Structure of the Orang Outang. By H. C. Chapman, M.D. (Proc. Acad. Nat. Sci. Phila., 1880.) 8vo, pp. 16, pls. 7. From the author.

The Placenta and Generative Apparatus of the Elephant. By Henry C. Chapman, M.D. (Jour. Acad. Nat. Sci., 1880.) 4to. pp. 10, pls. 4. From the author.

Beiträge zur Palæontologie von Oesterreich-Ungarn. Edited by Dr. Edm. von Mojsisovics and Dr. M. Neumayr, 1880. Prospectus. From the editors.